

# Alexander Cohen

## Full Stack Web Developer

Extensive experience creating, testing, and maintaining web applications. Passionate towards software architecture and design with a particular inclination to providing high quality solutions to businesses.



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## EXPERIENCE

### Adaptive

#### Full Stack Developer



Dec 2021 - Present



Montreal, QC

🔗 Java Spring, Kafka, Typescript React/Angular, PostgreSQL, Redis

- Worked as a backend developer assisting in creating microservice-oriented backend applications for clients in the cryptocurrency, investment, and banking sectors.
- Transitioned over to frontend development to assist in the needs of clients, working on complex UI systems involving multiple monitors.
- Assisting DevOps team members in project setup and building CI/CD pipeline integration with VCS.
- Collaborated in deploying containerized applications using AWS ECS/EKS.
- Achieved the high throughput needed for trading applications using a reactive programming approach.
- Assisted in the migration of old monolithic legacy applications to lightweight microservice systems to improve throughput and scalability as well as maintainability of old codebases.
- Project development using an agile approach, bi-weekly sprints, attending daily standups, meeting deadlines, and showcasing features and their value to clients.



## TECHNICAL SKILLS

### LANGUAGES



C++



Java



Typescript



Python

### FRAMEWORKS

#### Frontend



React



Angular

#### Backend



Spring Boot



NodeJS

### DATABASES



Postgres



MongoDB



Redis

### TECHNOLOGIES



Docker



Git



Kubernetes



Bash

## Full Stack Developer



Sept 2019 - Nov 2021



Montreal, QC



Typescript NodeJS, React, Python, RabbitMQ, MongoDB, Redis

- Collaborated with clients across several domains in the fields of pharmaceuticals and medicine as a part of an independent consulting team.
- Developed/maintained large real-time pharmaceutical web applications achieving high throughput using an event-driven microservices architecture.
- Developed frontend applications using React/NextJs framework while managing state using Redux.
- Transferred legacy systems into modern frameworks providing significant improvements in scalability/performance
- Furthermore reduced infrastructure costs by deploying applications from traditional mainframes to flexible cloud-based applications.
- Re-designed traditional monolith systems into a more scalable, performant microservice architecture.



## PROJECTS



### MonoLink Music Project - Team Project



Github Repo



Typescript React, NodeJS, MongoDB

- Coordinated with team members to develop a front-end system
- for an enhanced user experience.
- Set up user authentication (Sign In/ Sign Up) system.
- Migrated password database to Firebase for enhanced security, as well as to simplify ease of use for data management.

## PARADIGMS



REST



Event Sourcing



Microservices



CI/CD



## SOFT SKILLS



Bilingual Eng/Fr



Excellent Team Player



Creative Problem Solver



Time Management



## EDUCATION



Concordia University

BSc. Computer Science

*Class of 2020*

- Awardee, School Bursary

- Set up routes for authentication, searching, filtering, etc.
- Extracted information from the provided URL to search the respective APIs.
- Worked alongside team members to develop front-end system.



## **Ecommerce Platform - Team Lead of 12**



[Github Repo](#)



[Trello](#)



**Typescript React, NodeJS, MongoDB**

- Coordinated with team members to plan, develop, test and present the platform.
- Established development teams and assigned members to individual teams based on aptitudes/skills and personalities.
- Provided structure to the development process using Agile workflow.
- Spearheaded weekly meetings with teams to monitor progress, as well as help resolve any issues during the development process.
- Assisted members in facing challenges during development by coordinating work tasks for each team
- managing conflicting workflows, and providing solutions to any technical problems.
- Ensuring deadlines for project goals are met in a timely matter on an individual basis.
- Monitoring team member progress to assist in meeting project goals.
- Implemented project monitoring using Trello work process.